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(54) System and method for secure and scalable database transactions over a network

(57) A secure and scalable system and method is described for carrying out database transactions over a network. A transaction server on a network authenticates a user connected to the network with a client. The database access permission of the user is determined, and the transaction server sends a graphical user interface that comports with the access permission of the user to the client. The transaction server receives a user database request from the client based upon inputs provided by the user through the graphical user interface. The transaction server selects an action statement with formal parameters based upon the user database request. The action statement is evaluated by replacing its formal parameters with values from the user database request. The evaluated action statement is executed on a database, and the results are sent to the client, where they are displayed to the user through the graphical user interface.

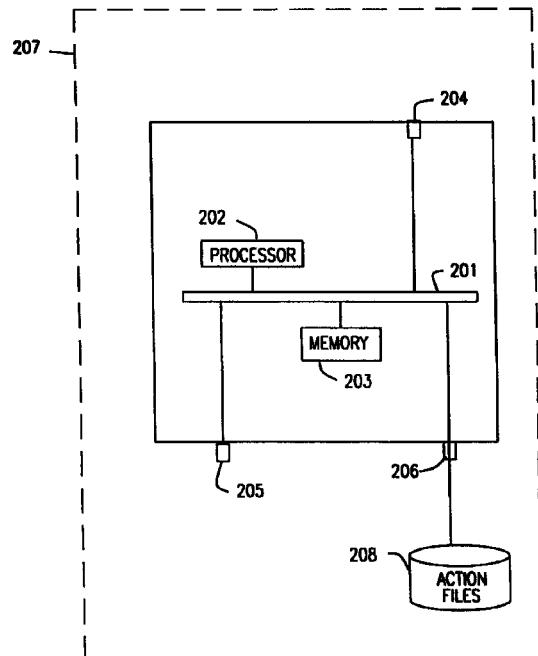


FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 98 10 7519

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
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A	US 5 404 523 A (DELLAFERA CIARAN A ET AL) 4 April 1995 (1995-04-04) * column 3, line 41 - column 4, line 19 *	1,5,9, 13,15,16	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G06F
The present search report has been drawn up for all claims			
Place of search EPO FORM 1503 03/82 (P04c01)	Date of completion of the search 3 December 1999	Examiner Schmidt, A	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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